

Roll No.

Total No. of Questions : 09]

[Total No. of Pages : 02

B.Tech. (Sem. - 7th / 8th)

DATA WAREHOUSING AND MINING

SUBJECT CODE : IT - 414 (Elective - II)

Paper ID : [A0533]

[Note : Please fill subject code and paper ID on OMR]

Time : 03 Hours

Maximum Marks : 60

Instruction to Candidates:

- 1) Section - A is **Compulsory**.
- 2) Attempt any **Four** questions from Section - B.
- 3) Attempt any **Two** questions from Section - C.

Section - A

Q1)

(10 × 2 = 20)

- a) What is datawarehouse?
- b) What is data mart?
- c) Mention the strategies of data mining.
- d) What are the applications of data mining?
- e) Differentiate between descriptive and predictive tasks.
- f) What are out tiers?
- g) What is data cleaning?
- h) What is clustering?
- i) Differentiate between classification & prediction.
- j) What are Association Rules? Why are they used?

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Section - B

(4 × 5 = 20)

- Q2)** What is three tier architecture of DATAWAREHOUSE?
- Q3)** What is data mining? What are the strategies of data mining? What is the classification of data mining system?
- Q4)** What is data preprocessing? Why is it done and how?
- Q5)** Explain the classification and regression tree.
- Q6)** How is Attribute-Oriented Induction implemented? Explain in detail.

Section - C

(2 × 10 = 20)

- Q7)** Discuss how computations can be performed efficiently on data cubes.
- Q8)** Write and explain the algorithm for mining frequent item sets without candidate generation. Give relevant example.
- Q9)** Explain various methods of data cleaning in detail.

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